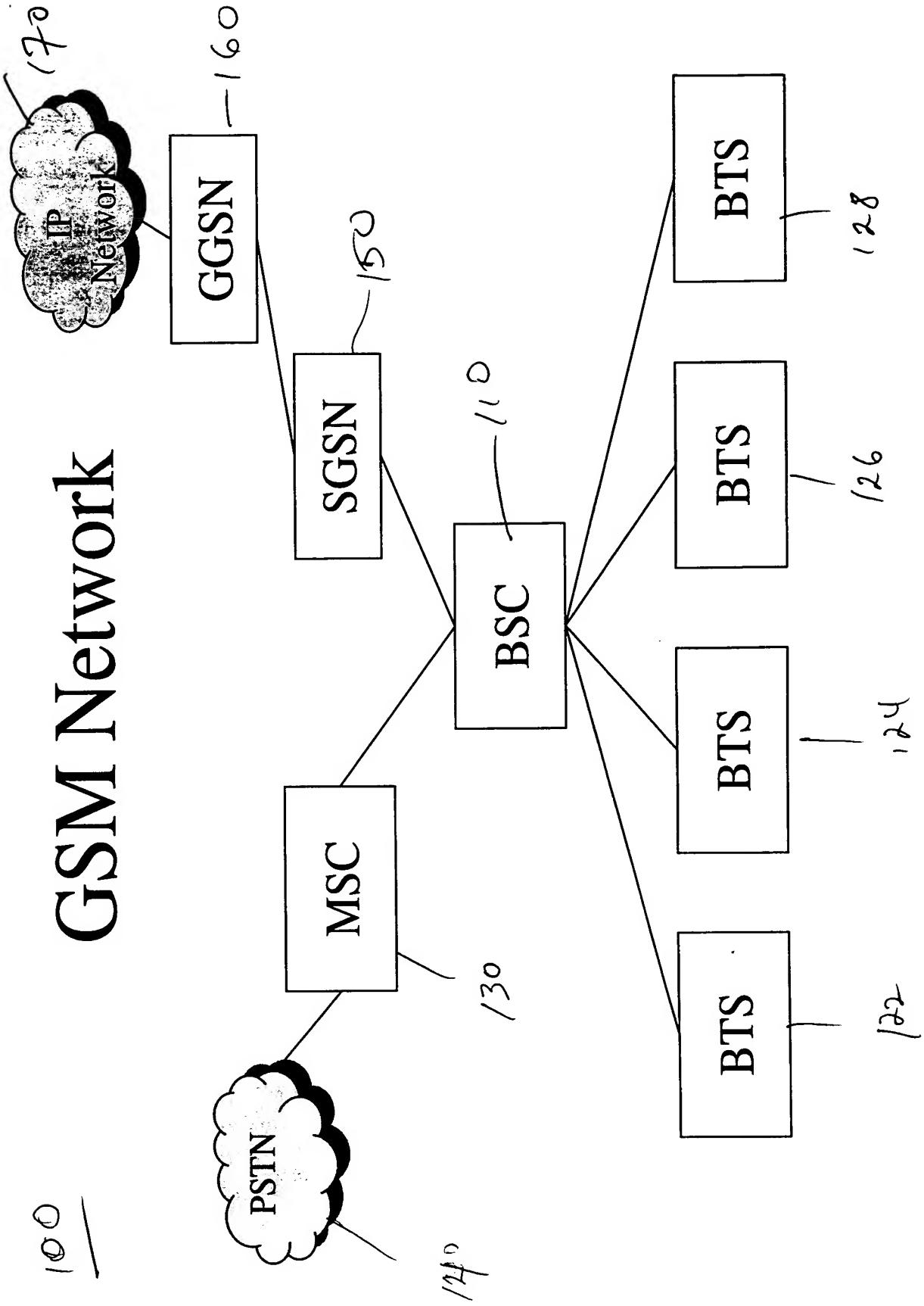


Fig 1

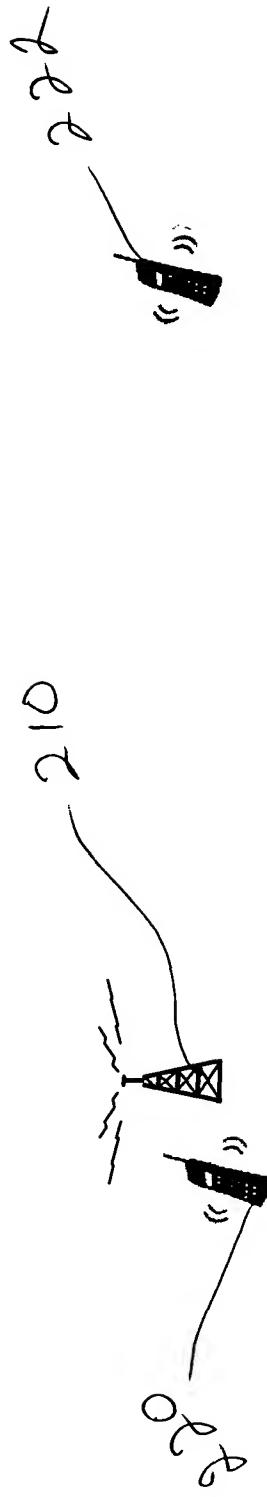
GSM Network

100



Timing Advance

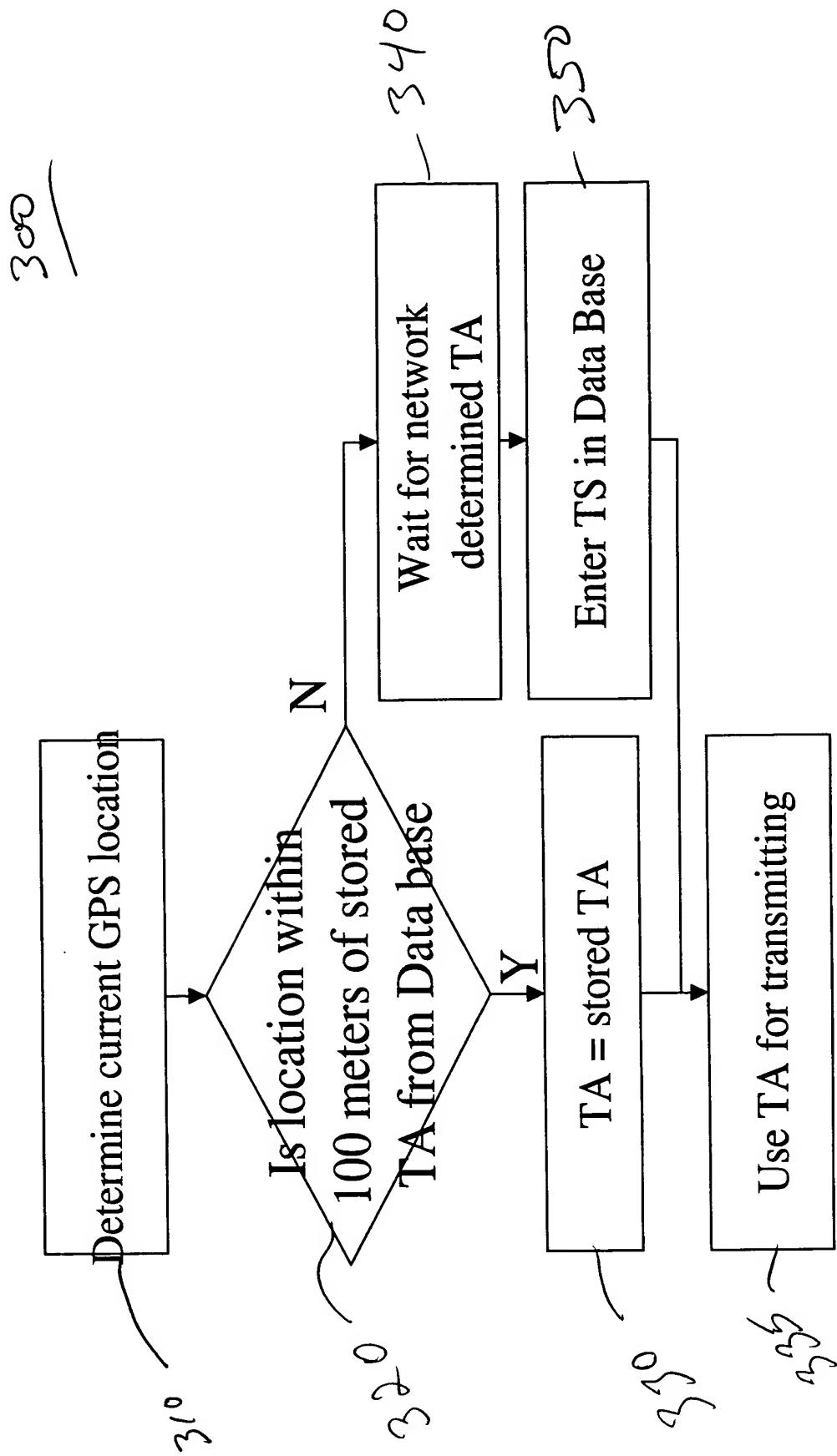
- Used to insure TDM frame is received at the BTS at the correct time



A MS next to the cell site
has zero timing advance

A MS at the edge of the cell has
the highest advance for that cell
-MS starts transmission earlier to
overcome the propagation delay

Fig 3



Flow 4

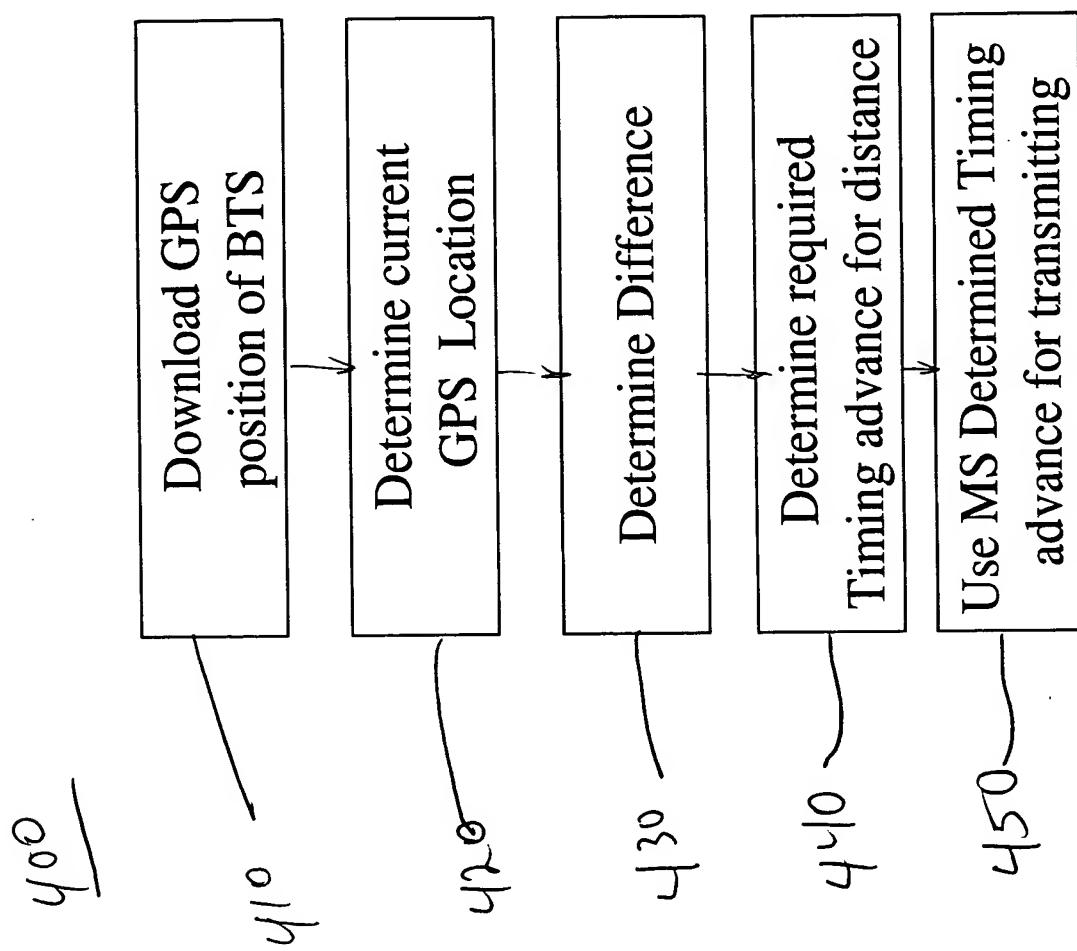
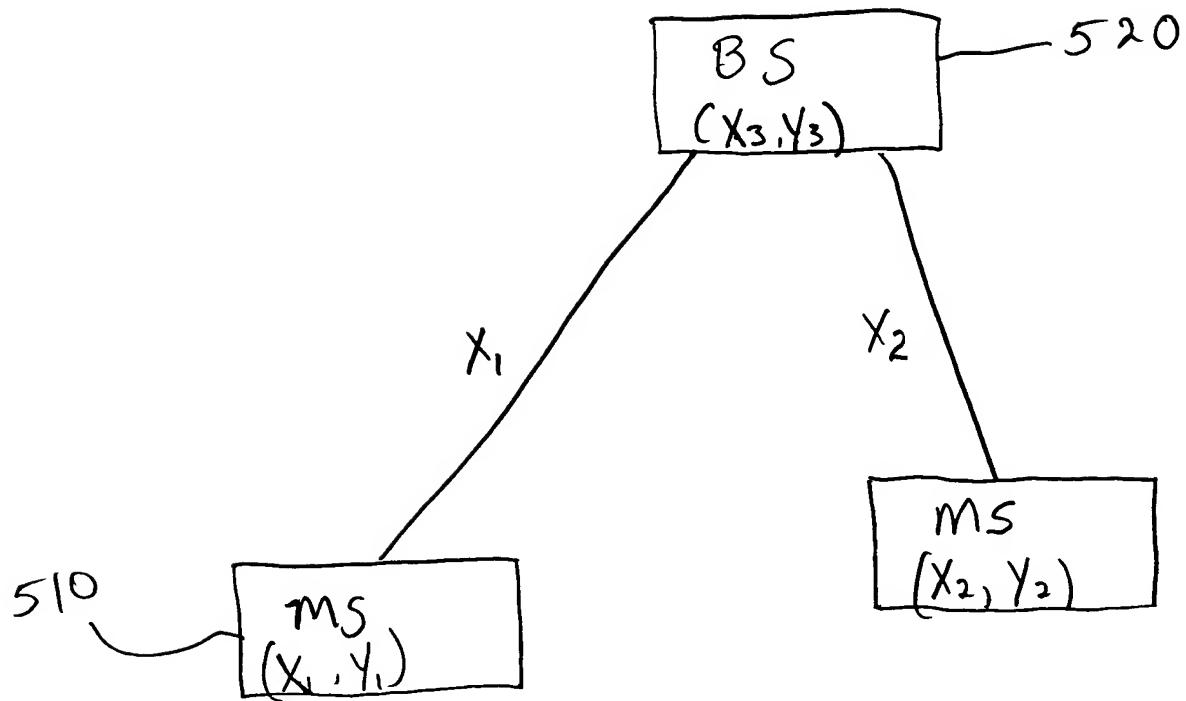
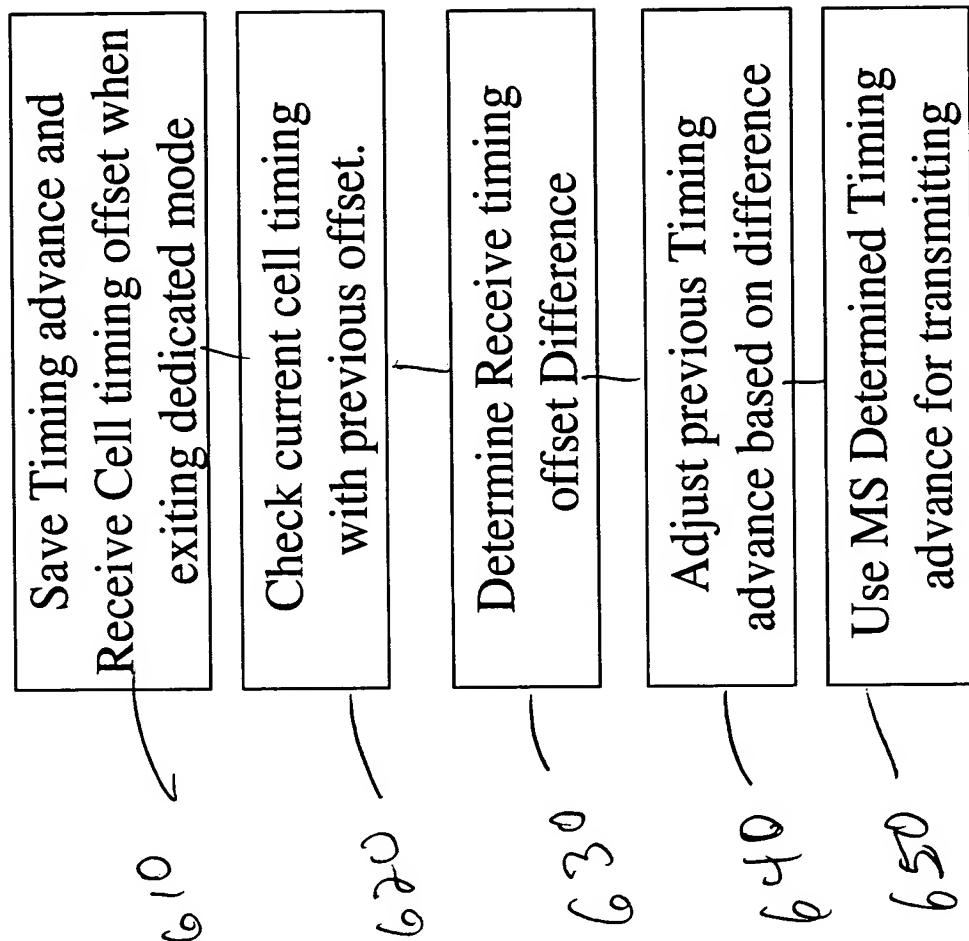


Fig 5

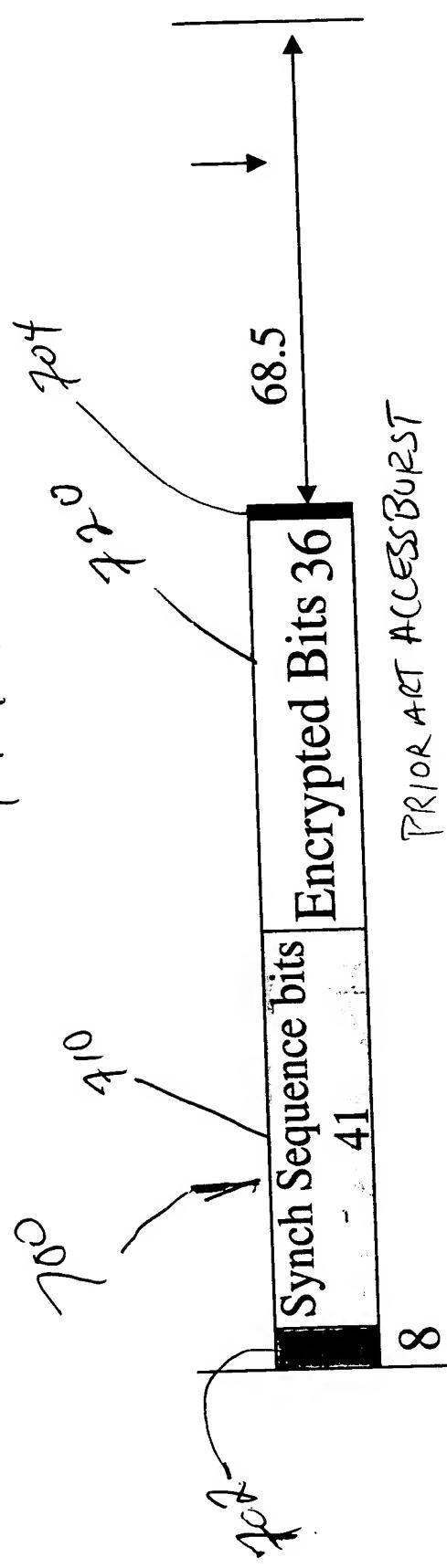


F16 6

6⁰²

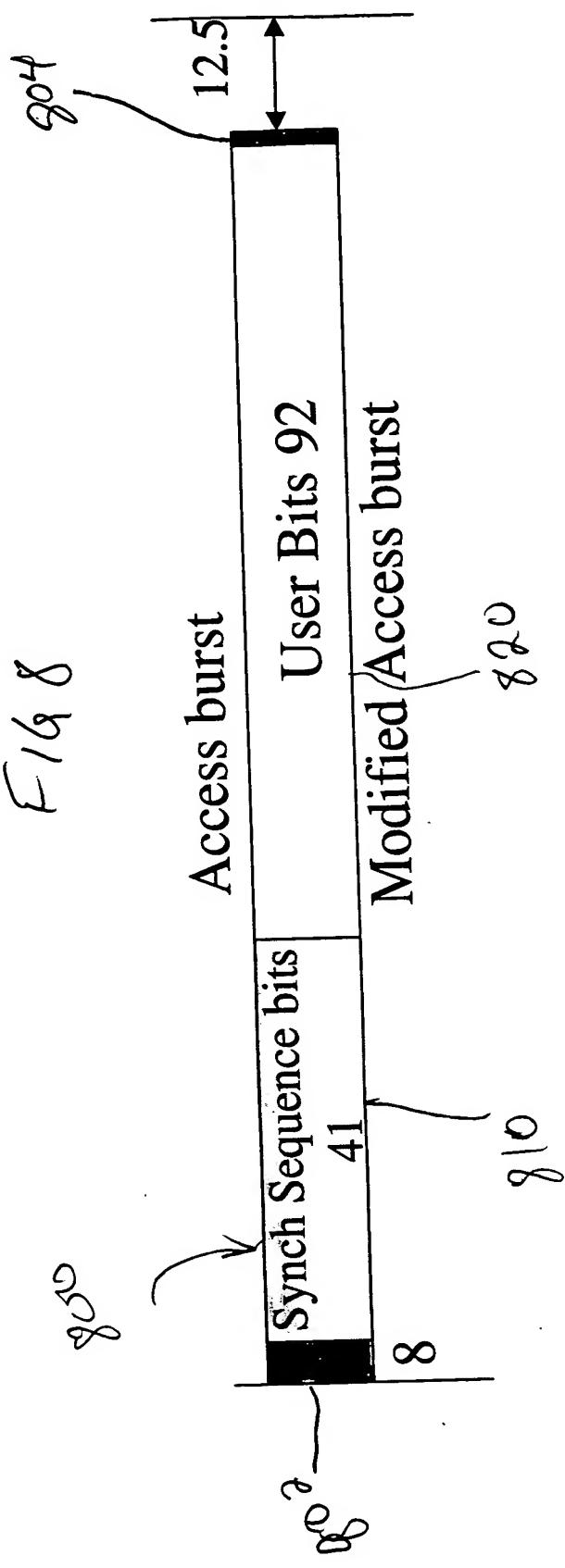


F16 7



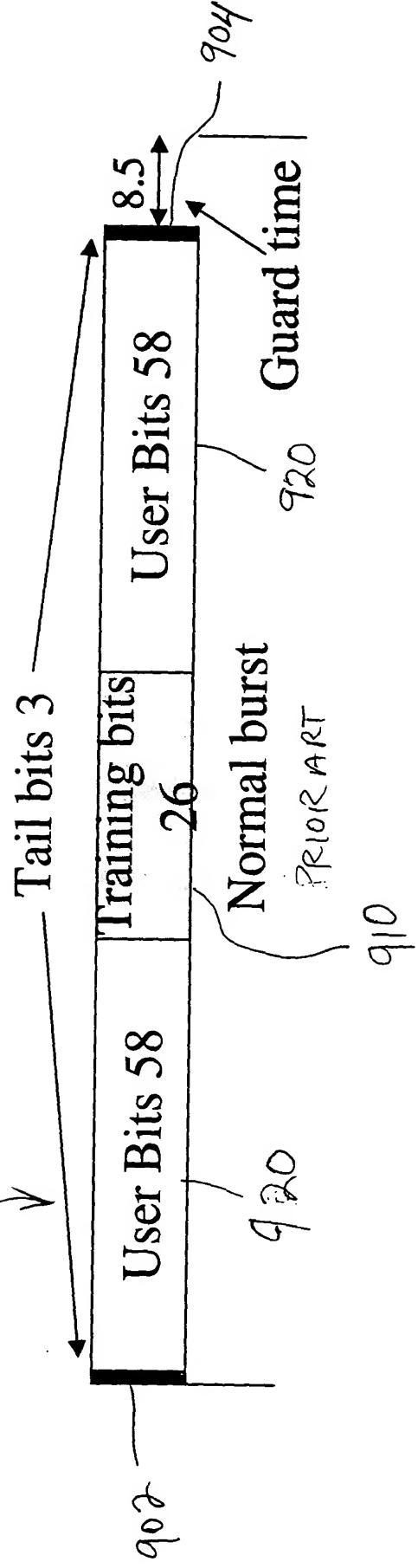
PRIOR ART ACCESS BURST

F16 8



F169

900



F169 10

940

